BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: Estimate for Improvements of roads and footpath in Ward No. 05

			Estimate Cost Rs.					750000.00	
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earth work excavation by manual means in Hard Soil soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications.MORTH chapter 3. No. 141/ Item No. 19.1/ PWD SR 2018-19	cum							
	Desilting of Drain								
			2	220.00	0.40	0.35	61.60		
	Culverts		2	6.20	2.10	1.20	31.25		
							92.85	137.80	**12794.00**
	Basic Rate	130.00							
	Area Weightage @ 6%	7.80							
	Total	**137.80**							
2	Removing B.S Slab of Drain and stacking Page No. 25/ Item No. 5.32/ PWD SR 2018-19	Sqm							
			2	220.00	1.65		726.00		
							726.00		
	Deduct 20% Missing Slabs						145.20		
							580.80	104.94	**60949.00**
	Basic Rate	99.00							
	Area Weightage @ 6%	5.94							
	Total	**104.94**							
3	Refixing stone slabs of drains and pointing in C.M (1:3) Page No. 25/ Item No. 5.33/ PWD SR 2018-19	Sqm							
			Qty Vide Item No.3				580.80		
							580.80	111.30	64643.00
	Basic Rate	105.00							
	Area Weightage @ 6%	6.30							
	Total	**111.30**							
4	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc, complete -do- 7.5 cms thick Page No. 28/ Item No. 5.31.1/ PWD SR 2018-19	**Sqm**							
	For Missing slabs (20%)		Missing Slabs				145.20		
							145.20	742.00	**107738.00**
	Basic Rate	700.00							
	Area Weightage @ 6%	42.00							
	Total	**742.00**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
5	KSRB-4-1.3 : Providing and laying in position plain cement concrete of mix M 1:4:8 withOPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 12/ Item No. 4.3/ PWD SR 2018-19	Cum							
	Culverts		2	6.20	2.10	0.15	3.91		
							3.91	5408.12	**21124.00**
	Basic Rate	5102.00							
	Area Weightage @ 6%	306.12							
	Total	**5408.12**							
6	KSRB 5.2.3 Providing and constructing granite / trap / basalt Size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 Page No. 23/ Item No. 5.6/ PWD SR 2018-19	cum							
	Culverts		2X2	6.20	0.60	0.45	6.70		
							6.70	4871.76	**32621.00**
	Basic Rate	4596.00							
	Area Weightage @ 6%	275.76							
	Total	**4871.76**							
7	KSRB 5.3-3 Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 Page No. 23/ Item No. 5.9/ PWD SR 2018-19	Sqm							
	Culverts		2X2	6.20	0.50	0.45	5.58		
							5.58	**5811.98**	**32431.00**
	Basic Rate	5483.00							
	Area Weightage @ 6%	328.98							
	Total	**5811.98**							
8	KSRB 4-6.7 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1 m in depth including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 16/ Item No. 4.34/ PWD SR 2018-19	Sqm							
	Culverts		2	6.20	0.60		7.44		
	For Sides		2X2	6.20	0.23		5.70		
			2X2	1.65	0.23		1.52		
							14.66	**309.52**	**4538.00**
	Basic Rate	**292.00**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
12	KSRB 4.9.2:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Page No. 17/ Item No. 4.46.2/ PWD SR	Qtl							
	0.75Ton/Cum		0.075	5.13			**0.39**	75223.96	**28963.00**
	Basic Rate	70966.00							
	Area Weightage @ 6%	4257.96							
	Total	**75223.96**							
13	5.29(b) Providing and fixing pre cast solid cement concrete kerb stones made out of C.C 1:2:4 with top and bottom width 114 and 165mm repectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork curing, including, cost of all materials, labour hire charges of machinery, loading unloading, lead and lift, transportation etc, complete. Page No. 25/ Item No. 5.30/ PWD SR 2018-19	Sqm							
	Kerb Stone		2	220.00			440.00		
					l e 600/0.45		977.78		
	For 40% Missing Kerb only						**391.11**	432.48	**169148.00**
	Basic Rate	408.00							
	Area Weightage @ 6%	24.48							
	Total	**432.48**							
14	KSRB 15-17.5: Applying priming coat over new wood surface and / or wood based surface preparing the surface after thoroughly cleaning oil, grease, dirt, and foreign matter, sand papering and knotting ready mix paint including cost of materials, labour, complete as per specifications. Page No. 118/ Item No. 15.59 / PWD SR 2018-19	**Sqm**							
	Kerb Stone Painting		2	220.00		0.30	**132.00**		
							132.00	**53.00**	**6996.00**
	Basic Rate	50.00							
	Area Weightage @ 6%	3.00							
	Total	**53.00**							
15	KSRB 15-17.6: Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications.Page No. 119/ Item No. 15.60.1 / PWD SR 2018-19								
			2	220.00		0.30	132.00		
							132.00	**102.82**	**13572.00**
	Basic Rate	97.00							
	Area Weightage @ 6%	5.82							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Area Weightage @ 6%	17.52							
	Total	**309.52**							
9	KSRB 4-1.7 : : Providing and laying in position plain cement concrete of mix 1:3:6 withOPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @0.56cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2/P No. 13/ Item No. 4.7/ PWD SR 2018-19	**cum**							
	Culverts		2X2	6.20	0.50	0.10	1.24		
	Vent Bed		2	6.20	0.60	0.10	0.74		
	For Kerb Bottom		2	220.00	0.25	0.10	11.00		
							12.98	5627.54	**73068.00**
	Basic Rate	5309.00							
	Area Weightage @ 6%	318.54							
	Total	**5627.54**							
10	KSRB 15.1.3: Providing FLush pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. Page No. 109/ Item No. 15.1/ PWD SR 2018-19	Sqm							
	Culverts		2X2	6.20		0.50	12.40		
							12.40	102.82	**1275.00**
	Basic Rate	97.00							
	Area Weightage @ 6%	5.82							
	Total	**102.82**							
11	KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2018-19	**Cum**							
	Culverts		2	6.20	1.80	0.23	5.13		
							5.13	5998.54	**30794.00**
	Basic Rate	5659.00							
	Area Weightage @ 6%	339.54							
	Total	**5998.54**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Total	102.82							
16	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123,	Cum							
			Qty. Vide Item No. 1				92.85		
							92.85	73.12	6789.00
	Basic Rate Lead Charges Upto 2.00 Kms	5.12							
	PWD SR 2015-16 (P.118/I.17.1) For loading	68.00							
	Total	73.12							
							Grand Total		667443.00
17	For 12% GST								80093.00
18	Miscesallaneous Charges	L/S							2464.00
									750000.00

Certificate:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2018-19
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 06(Thanisandra)

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Sub Division

ADMINISTRATIVE APPROVAL

Accorded For Rs. Seven lakhs fifty thousand only

Head of A/c. P-3296

Div. Ref. No. 80 Date. 20/02/19.

AE 20/02

EE(BTP) 20/02

TECHNICAL SANCTION

Accorded For Rs. Seven lakhs fifty thousand only

Head of A/c. P-3296.

Div. Ref. No. 119 Date. 20/02/19.

AE 20/02

EE(BTP) 20/02